Multi aqua™

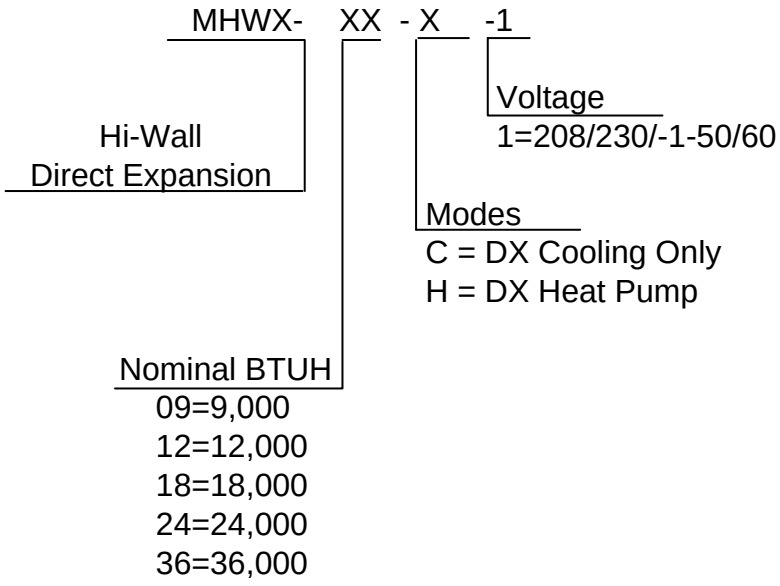
MHWX Direct Expansion

Hi-Wall Fan Coil

Direct Expansion Fan Coil 9,000 - 36,000 BTUH

MHWX NOMENCLATURE BREAKDOWN

Direct Expansion Hi-Wall Fan Coil



Available Model Numbers	
MHWX-09-C-1	MHWX-09-H-1
MHWX-12-C-1	MHWX-12-H-1
MHWX-18-C-1	MHWX-18-H-1
MHWX-24-C-1	MHWX-24-H-1
MHWX-36-C-1	MHWX-36-H-1

HVAC Guide Specifications

Direct Expansion Hi-Wall Fan Coil

Nominal Size:

9,000 – 36,000 BTUH

Multiaqua Model Number:

MHWX-09
MHWX-12
MHWX-18
MHWX-24
MHWX-36

Part 1-General

1.01 System Description

Multiaqua Direct Expansion Fan Coils are manufactured with high impact molded polymers.

1.02 Quality Assurance

A. Certified in accordance with U.L. Standard 95, latest version (U.S.A.)
B. Manufactured in a facility registered to ISO 9002, Manufacturing Quality Standard.
C. Fully load tested at the factory.
D. Damage resistant packaging.

1.03 Delivery, Storage and Handling

A. Packaged and readied for shipment from the factory.
B. Controls shall be capable of withstanding 150°F storage temperatures in the control compartment.
C. Stored and handled per manufacturer's recommendations.

Part 2-Product

2.01 Equipment

A. General:
   1. Unit shall be a factory assembled direct expansion fan coil.
   2. Shall be assembled with high quality.
   3. Contained with the unit shall be all factory wiring, piping, associated controls and special accessories required prior to start up.

B. Unit Cabinet:
   1. Composed of high impact polymers.
   2. Shall be internally insulated to insure quiet operation.

C. Fan Motors:
   1. Shall be available in 208/230-1-50/60 vac.
   1. Fan motors shall be three speed, direct drive, and PSC type.
   2. Totally enclosed.
   3. Internal overload protected.
   4. Unit shall contain a swing motor to modulate the discharge air.

D. Blower Wheels:
   1. Blower wheels are tangential and dynamically balanced.

E. DX Coil:
   1. Coils manufactured with 3/8" rifled copper tubing mechanically bonded to aluminum fins.
   2. Coils shall be factory tested to 350 psig.

F. Drain Pan:
   1. All drain pans shall be molded with high impact polymers.
   2. The exterior of all drain pans shall be insulated with closed cell to prevent condensation.
   3. Pans shall contain a flexible drain tubing that is accessible from the back of the unit.

G. Filters:
    1. Unit shall contain 65% washable filters.

Part 3-Controls and Safeties
3.01 Controls

A. Fan coils shall be completely factory wired and tested.
B. Shall be capable of heat pump operation.
C. Controls shall include a circuit board, room sensor, indoor coil thermistor, transformer and wireless remote.
D. Controls shall be capable of incorporating an optional hard-wired thermostat.

3.02 Safeties:

A. Fan coil shall contain a non reusable fuse on the secondary voltage side of the transformer.
B. Discharge air sensor.

Part 4-Operating Characteristics:
4.01 Electrical Requirements

A. Unit shall incorporate a three prong male primary electrical power cord.
B. Electrical power supply shall be rated to withstand 120°F operating ambient temperatures.

MHWX Product Specifications & Capacity

Physical Data									
Model Number	Height (in)	Width (in)	Depth (in)	Weight (lbs)	Coil Rows FPI	Copper Diameter (in)	Liquid Line (in)	Suction Line (in)	Drain (in)
MHWX-09	11.70	34.60	7.10	20.00	2-20	3/8	1/4	3/8	1/2
MHWX-12	12.00	39.00	7.10	22.00	2-14	3/8	1/4	3/8	1/2
MHWX-18	14.20	46.10	8.10	35.60	2-16	3/8	5/16	1/2	3/4
MHWX-24	14.20	46.10	8.10	37.40	3-17	3/8	3/8	5/8	3/4
MHWX-36	14.40	57.10	8.50	54.00	3-18	3/8	3/8	5/8	3/4

Electrical Data						
Model Number	Hi Speed CFM	Volts/ Phase/ Hertz	Motor HP	Full Load Ampacity	Fuse or HACR Circuit Breaker Per Circuit	
					Minimum Amps	Maximum Amps
MHWX-09-C-01	270	208/230-1-50/60	1/50	0.07	.09	1
MHWX-12-C-01	330		1/50	0.07	.09	1
MHWX-18-C-01	480		1/20	0.15	.19	1
MHWX-24-C-01	600		1/20	0.15	.19	1
MHWX-36-C-01	850		1/12	0.26	.33	1

Performance Data		
Model Number	CFM	Nominal Cooling Capacity
MHWX-09-C-1	270	9,000
MHWX-12-C-1	330	12,000
MHWX-18-C-1	480	18,000
MHWX-24-C-1	600	24,000
MHWX-36-C-1	850	36,000

These specifications are subject to change without notice.

INSTALLATION and OPERATION MANUAL

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MHWX

Multi aqua™

INSTALLATION & OPERATING MANUAL

MHWX Hi-Wall Fan Coils
9,000-36,000 BTUH

---------- CAUTION ----------

Care must be taken when handling sheet metal. Sheet metal parts have sharp edges and could cause injury.

GENERAL

Read the entire contents of this manual before beginning installation. Multiaqua assumes no responsibility for equipment installed contradictory to any code requirement or installation instructions.

The components of this fan coil have been inspected at the factory and readied for shipment. Upon receiving the shipment a visual inspection of the packaging must be performed.

If any damage to the packaging is discovered, an inspection of the components must be performed and noted on the delivery documents. If component damage is found a damage claim must be filed by the receiving party against the delivery party immediately.

This product is designed and manufactured to permit installation in accordance with national codes. It is the installer's responsibility to install the product in accordance with national codes and/or prevailing local codes and regulations.

Care must be taken to ensure the structural integrity of the supporting members, clearances and provisions for servicing, power supply, coil connections and/or condensate removal. Before the installation ensure the structural strength of the supporting members is sufficient. See figure 1 for hanging weights of the fan coils.

This unit is designed to be installed in a horizontal configuration only. See figure 2 for fan coil and mounting plate dimensions.

FAN COIL MODEL NUMBER	APPROXIMATED WEIGHTS (lbs)
MHWX-09-C-1	20.00
MHWX-12-C-1	22.00
MHWX-18-C-1	35.60
MHWX-24-C-1	37.40
MHWX-36-C-1	54.00

Figure 1

INSTALLATION & OPERATING MANUAL

MHWX Hi-Wall Fan Coils
9,000-36,000 BTUH

FAN COIL AND MOUNTING PLATE DIMENSIONS (in)												
Fan Coil Model Number	A	B	C	D	E	F	G	H	I	J	K Field Supplied Hole	L Field Supplied Hole
MHWX-09	34.6	11.7	7.5	7.5	3.5	2.7	1.6	0.8	1.8	0.8	2.8	2.8
MHWX-12	39.0	12.0	7.5	7.5	3.6	2.7	1.5	1.1	1.7	1.0	2.8	2.8
MHWX-18	46.0	14.2	3.8	3.8	6.1	2.4	2.4	1.7	2.4	1.8	2.8	2.8
MHWX-24	46.0	14.2	3.8	3.8	6.1	2.4	2.4	1.7	2.4	1.8	2.8	2.8
MHWX-36	57.1	14.4	4.0	4.0	6.1	2.8	1.5	1.7	1.5	1.8	2.8	2.8

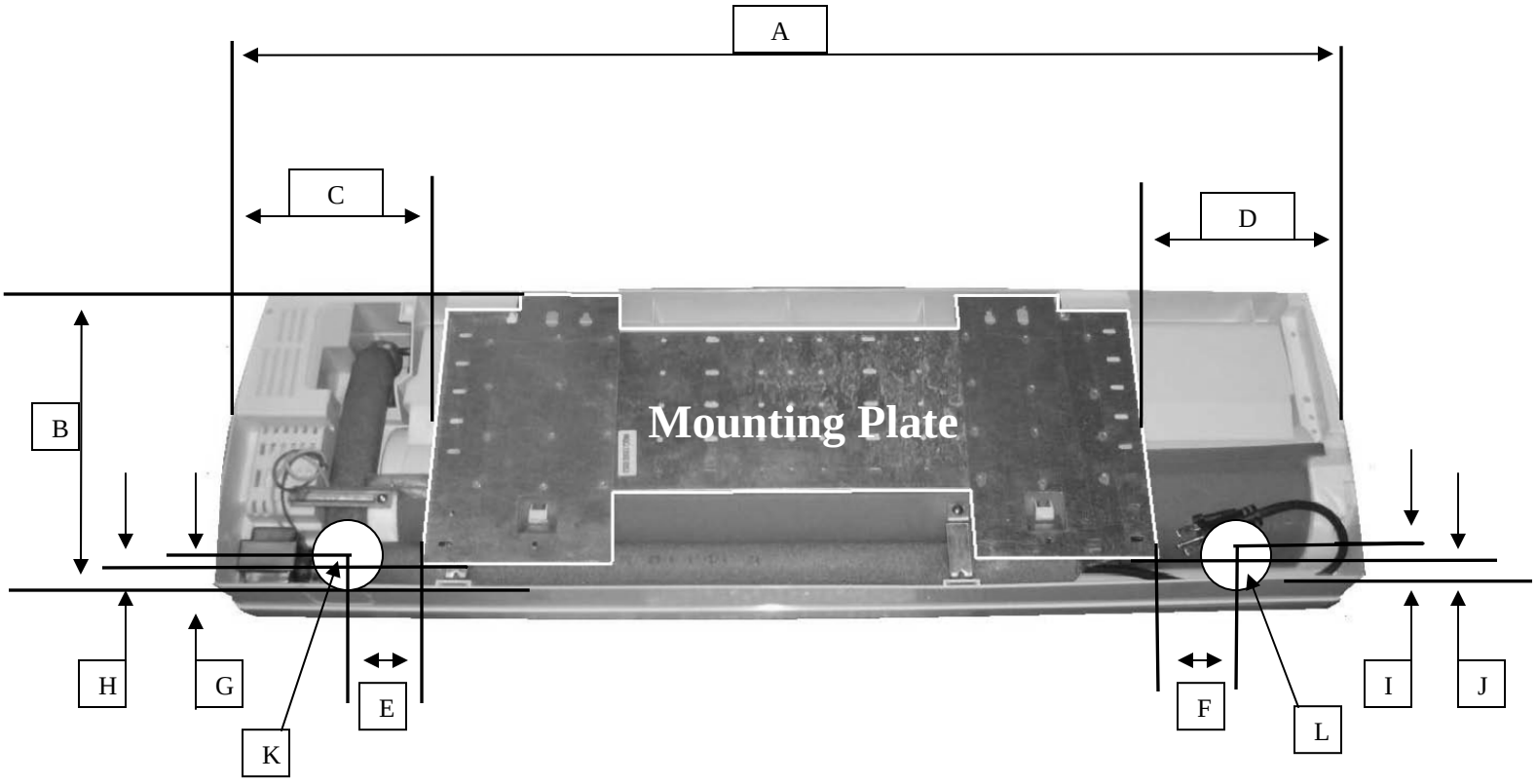


Figure 2

-------- CAUTION -------
Care must be taken when handling sheet metal. Sheet metal parts have sharp edges and could cause injury.

INSTRUCTIONS FOR INSTALLING THE MOUNTING PLATE

1. After a suitable place for installation has been selected, place the mounting plate horizontally on the wall. Make sure the alignment is horizontal. Use a plumb line if available. Mark on the wall where the mounting holes will be drilled.

Figure 3

2. Drill the holes for the type of mounting hardware to be used. Check local building codes for correct mounting hardware. Secure the mounting plate and check for stiffness.

3 Drill a diagonal piping access hole (2 .75") in diameter on both sides of the mounting bracket. Refer to figure 2 for field supplied hole locations

Figure 4

4. Check local and national codes for piping access wall penetrations. See figure 5 if wall sleeves are required.

Figure 5

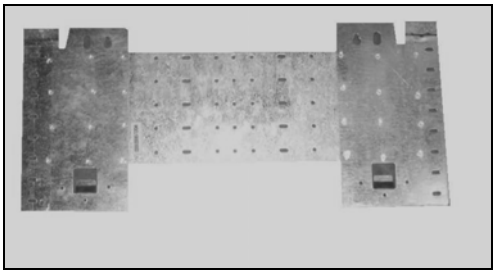


Figure 3

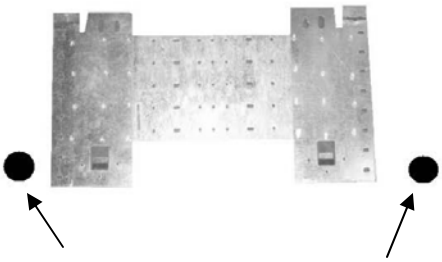


Figure 4

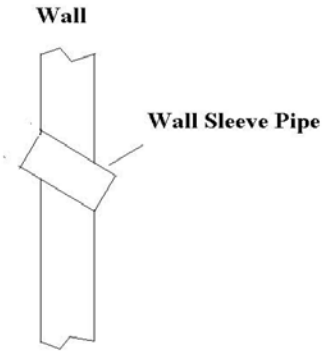


Figure 5

INSTRUCTIONS FOR INSTALLING FAN COIL UNIT ONTO MOUNTING PLATE

1. Route the fan coil piping, electrical, condenser control wires and/or flexible drain hose through either of the 2.75” previously drilled holes in step 3 figure 4. Ensure that the piping is insulated per local and national codes. Improper insulation could result in voided warranty and/or building damage.

Figure 6

2. There is a piping channel in the bottom portion of the back of the units for crossover piping, drain, condenser control wires and/or electrical.

Figure 7

3. The TXV can be installed at the unit or condenser. Ensure that the liquid is insulated completely if the TXV is installed at the condenser.

4. Figure 8 depicts (from the back of the unit) the 24 vac condenser control wires on the left and the 220 vac power cord on the right. These can be routed to either the right or left hand side of the fan coil.

Figure 8

Figure 6

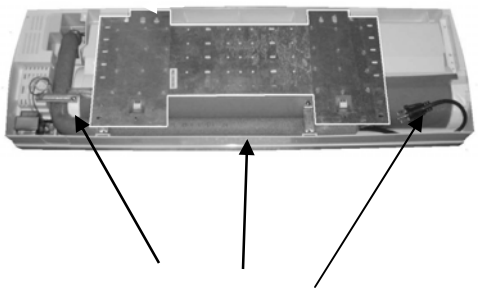


Figure 7

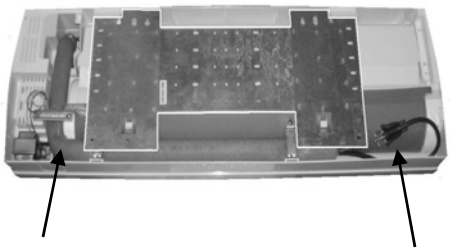


Figure 8

INSTRUCTIONS FOR INSTALLING FAN COIL UNIT ONTO MOUNTING PLATE

4. Ensure that the drain tubing is installed with at least 1/4" per foot of downward slope.

5. Secure the fan coil to the mounting plate by first sliding the fan coil onto the two notches provided on the mounting plate.
Figure 9 & 10

6. Push the bottom of the fan coil towards the wall in order to engage the locking clips.
Figure 11

7. Connect the refrigerant lines and pressure test lines to make sure there are no leaks.

8. Connect the condensate drain hose. Make certain that the drain has no traps or dips in the line that would impede drainage.

9. Carefully seal any wall penetrations per local and national codes.

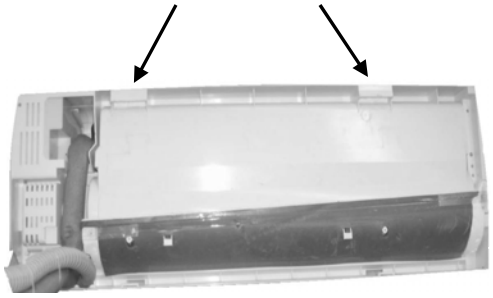


Figure 9

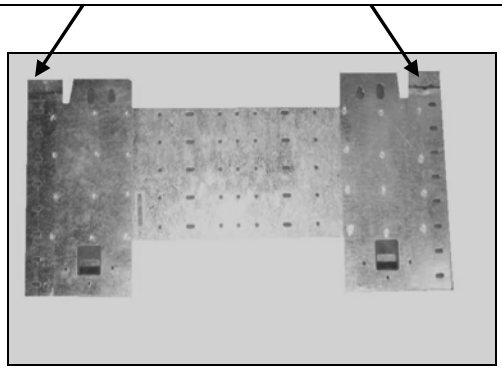


Figure 10

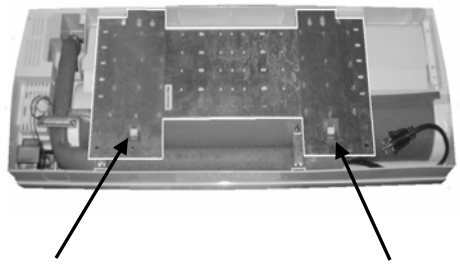


Figure 11

MHWX CONTROLS OPERATION GUIDE

Wireless Control: Standard Control Package (Page 355)

Optional Wired Control: EG-003 (Page 361)

MHWX CONTROLS OPERATION GUIDE

Wireless Control:

Name and function of remote controller

Note:

- Be sure there are no obstructions between receiver and remote controller.
- The remote control signal can be received at the distance of up to about 21 feet.
- Do not throw or drop the remote controller.
- Do not put any liquid in the remote controller and do not put it in direct sunlight or any place where it is very hot.
- Remove batteries when the remote controller is not in use for extended periods of time.
- The remote controller should be placed 3 or more feet away from any electric appliance.

LED MODE INDICATOR FOR REMOTE CONTROLLER:

INDICATOR LIGHTS	REMOTE SETTING	FUNCTION
RED-GREEN	COOL	COOLING OPERATION ONLY
RED-OFF	DRY	HUMIDITY CONTROL,NO FAN
RED-RED	HEAT	HEATING OPERATION ONLY
RED-OFF	FAN	FAN OPERATION ONLY
RED-BLINKING	AUTO	AUTO SELECTION BETWEEN HEAT & COOL DEPENDENT ON ROOM TEMP & SET TEMP
RED-ORANGE	ALERT	FAN COIL WAITING FOR LAT TO REACH PROPER TEMPERATURE NECESSARY TO SATISFY SET POINT

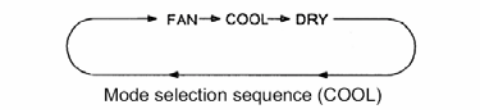
MHWX CONTROLS OPERATION GUIDE

FUNCTION

1. **TRANSMISSION SOURCE**
   - Infra red transmission source

2. **POWER**
   - Press to turn the fan coil on and off or vice versa.
   (Red LED left will light to indicate the control is on)

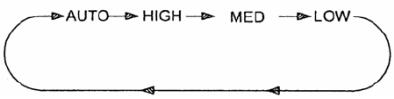
3. **MODE**
   - To select desired operation mode.
   It will switch from one to another as shown.
   COOL - Cooling operation.
   DRY - Humidity control.
   HEAT - Heating operation.
   FAN - Fan only. No cooling or heating capability.
   AUTO - Operation mode will be selected automatically between HEAT and COOL mode, depending upon the room temperature and SET temperature.



Mode selection sequence (COOL)

Mode selection sequence (HEAT/COOL)

4. **FAN**
   - To select fan speed. It will switch from one to another as shown below.
   - When the system temperature sensor is not calling for cool or heat the fan will run at the speed previously entered in fan mode selection (high, medium or low).
   - If auto was the previously entered fan speed in cooling: The fan will run at low speed until the temperature sensor calls for either heating or cooling at which point the fan will return to auto speed control



Fan Speed Sequence

MHWX CONTROLS OPERATION GUIDE

FUNCTION

5. TEMPERATURE SETTING

- Press "▲" to increase set temperature.
- Press "▼" to decrease set temperature.
- Press "▲" and "▼" Simultaneously to toggle between °C and °F display mode.
- Temperature range: 16 C to 30°C in °C display mode and 60°F to 86°F in °F display mode.

(a) °C display mode (b) °F display mode

6. **DELAY TIMER SETTING**

- The delay timer is capable of delaying both on and off functions. The delay feature will take affect in all modes with the exception of the sleep mode. Each time the "▲" and "▼" is pressed it increases or decreases the On or OFF set point by 1 hour; up to a maximum of 18 hours.

To set the OFF DELAY:

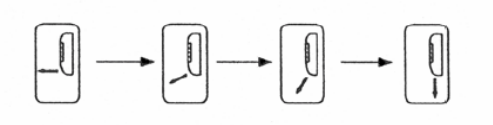
With the system in operation, enter the system OFF time by pressing the "▲" button to the desired number of hours ahead that the system will be allowed to run. When the number of hours entered has elapsed the system will turn off.

To set the ON DELAY:

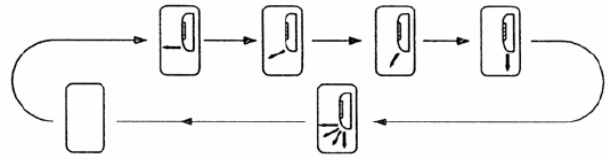
- Set the on delay by entering the desired mode of operation (fan, heat, cool and the appropriate temperature. This will be the settings the system will follow when operation resumes. After setting the mode and any applicable temperature with the control, turn the remote off. Now enter the number of hours to elapse before operation resumes by pressing the "▲" button on the remote to the desired number. When the time (in hours) entered has elapsed the system will resume operation according to the pre-set mode and temperature.

MHWX CONTROLS OPERATION GUIDE

7. **CANCEL**
   - To cancel any setting on the delay timer.
8. **LOUVER**
   - Two different functions are available:
   1. To set the louver stop position. There are 4 angles available. The sequence is as follows.



   2. To set the louver swing (continuous motion). The sequence is as follows.



9. **SLEEP**
   - This function when selected will allow the user to determine a “sleep” period. In cooling the selected temperature will rise to 1° above set point in 1/2 hour, rising to 2° in 1 hour, rising again to 4° after 2 hours of the SLEEP CYCLE.

SLEEP FUNCTION DISPLAY

10. **DRY**
    - This function operates to control humidity within a conditioned space. It measures the difference between set point and the actual room temperature. An algorithm determines how far above set point the actual room temperature is to set point temperature and selects periods of condenser operation and low fan operation. The greater the difference between room temperature and set point temperature prompts greater run time with less temperature. With less temperature differences, periods of fan and condenser operation are called for in varying increments as determined by the difference. In this mode (low speed) fan operation will start 30 seconds after condenser has started and stops 30 seconds after condenser has stopped.

MHWX CONTROLS OPERATION GUIDE

11. **AUTO**
    - This function will automatically control the system switching between heating and cooling operation. If the present auto mode is cooling, a switch to heating operation will begin only if the actual room temperature is 7° below selected control set point. If the present auto mode is heating, a switch to cooling operation will begin only when the room temperature is 3° above selected control set point.

12. **TRANSMISSION INDICATOR**
    - Blinks twice to indicate that transmission has taken place between remote and receiver.
    - Beeps indicate fan coil acknowledging receipt of transmission.

TRANSMISSION INDICATOR

13. **HOW TO INSERT BATTERIES**
    1. Remove the battery cover from the back of the remote
    2. Insert the (2) AAA batteries. Ensure that the polarity of the batteries is as shown inside of the battery compartment.
    3. Re-attach the battery compartment cover.

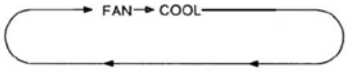
MHWX CONTROLS OPERATION GUIDE

Optional Wired Control: EG-003

LED MODE INDICATOR FOR REMOTE CONTROLLER:

INDICATOR LIGHTS	SETTING	FUNCTION
RED-GREEN	COOL	COOLING OPERATION ONLY
RED-RED	HEAT	HEATING OPERATION ONLY
RED-BLINKING	AUTO	AUTO SELECTION BETWEEN HEAT & COOL
RED-OFF	FAN	FAN OPERATION ONLY

1. **POWER**
   - Press to turn the fan coil on and off or vice versa.
2. **MODE**
   - To select desired operation mode.
   It will switch from one to another as shown.
   COOL - Cooling operation.
   HEAT - Heating operation.
   FAN - Fan only. No cooling or heating capability.
   AUTO - Operation mode will be selected automatically between HEAT and COOL mode, depending upon the room temperature and SET temperature.



Mode selection sequence (COOL)

Mode selection sequence (HEAT/COOL)

3. **FAN**
   - - To select fan speed. It will switch from one to another as shown below.
   - When the system temperature sensor is not calling for cool or heat the fan will run at the speed previously entered in fan mode selection (high, medium or low).
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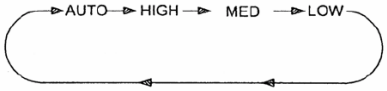

Fan Speed Sequence

MHWX CONTROLS OPERATION GUIDE

FUNCTION

4. **TEMPERATURE SETTING**
   - Press "▲" to increase set temperature.
   - Press "▼" to decrease set temperature.
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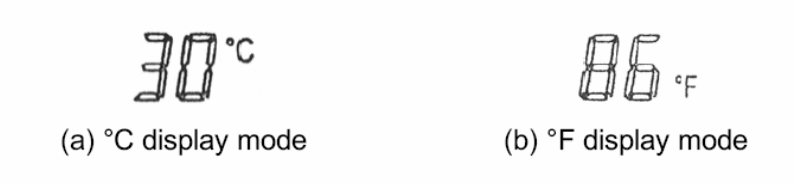

(a) °C display mode (b) °F display mode

5. **CANCEL**
   - To cancel any setting on the delay timer.
6. **LOUVER**
   - Two different functions are available:
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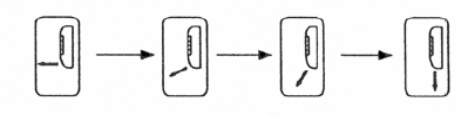

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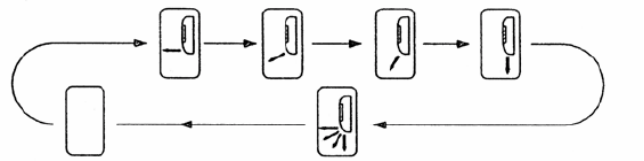
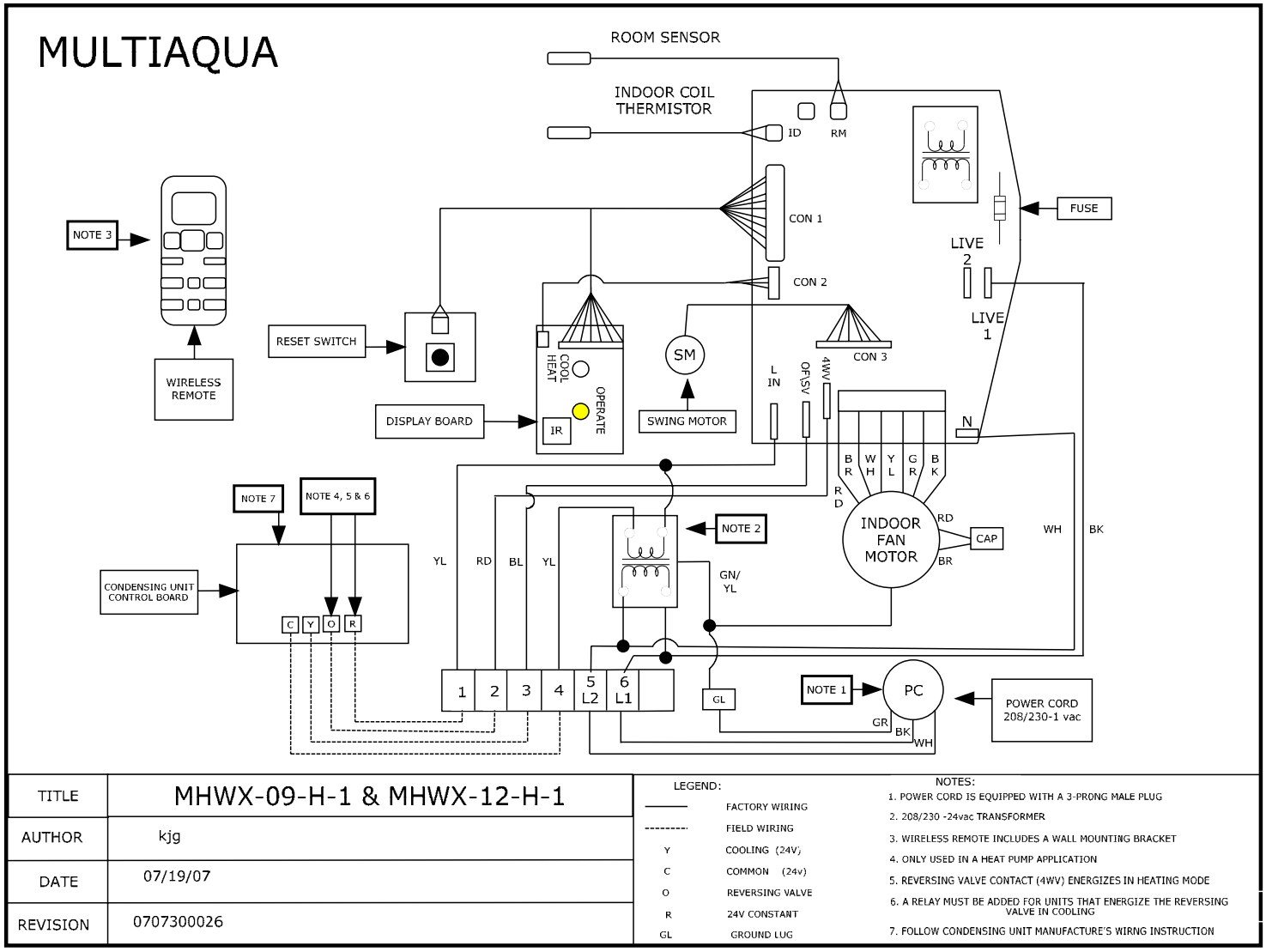


7. **AUTO**
   - This function will automatically control the system switching between heating and cooling operation. If the present auto mode is cooling, a switch to heating operation will begin only if the actual room temperature is 7° below selected control set point. If the present auto mode is heating, a switch to cooling operation will begin only when the room temperature is 3° above selected control set point.

MHWX-09-H-1 & MHWX-12-H-1 Wiring Diagram

208/230/-1-50/60



TITLE	MHWX-09-H-1 & MHWX-12-H-1
AUTHOR	kjg
DATE	07/19/07
REVISION	0707300026

LEGEND:

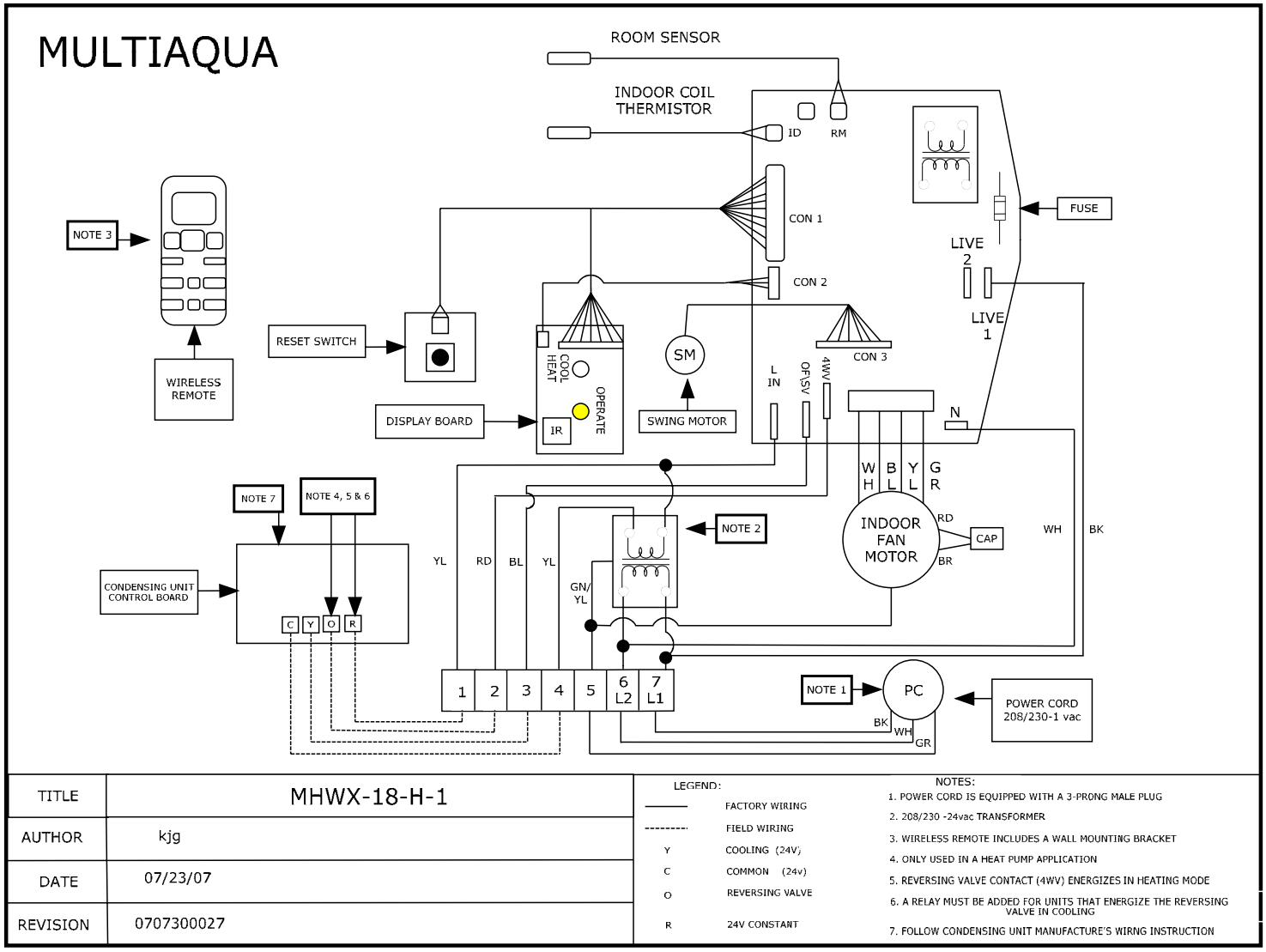
———	FACTORY WIRING
- - - - -	FIELD WIRING
Y	COOLING (24V)
C	COMMON (24v)
O	REVERSING VALVE
R	24V CONSTANT
GL	GROUND LUG

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET
4. ONLY USED IN A HEAT PUMP APPLICATION
5. REVERSING VALVE CONTACT (4WV) ENERGIZES IN HEATING MODE
6. A RELAY MUST BE ADDED FOR UNITS THAT ENERGIZE THE REVERSING VALVE IN CODLING
7. FOLLOW CONDENSING UNIT MANUFACTURE'S WIRNG INSTRUCTION

MHWX-18-H-1 Wiring Diagram

208/230/-1-50/60



TITLE	MHWX-18-H-1
AUTHOR	kjg
DATE	07/23/07
REVISION	0707300027

LEGEND:

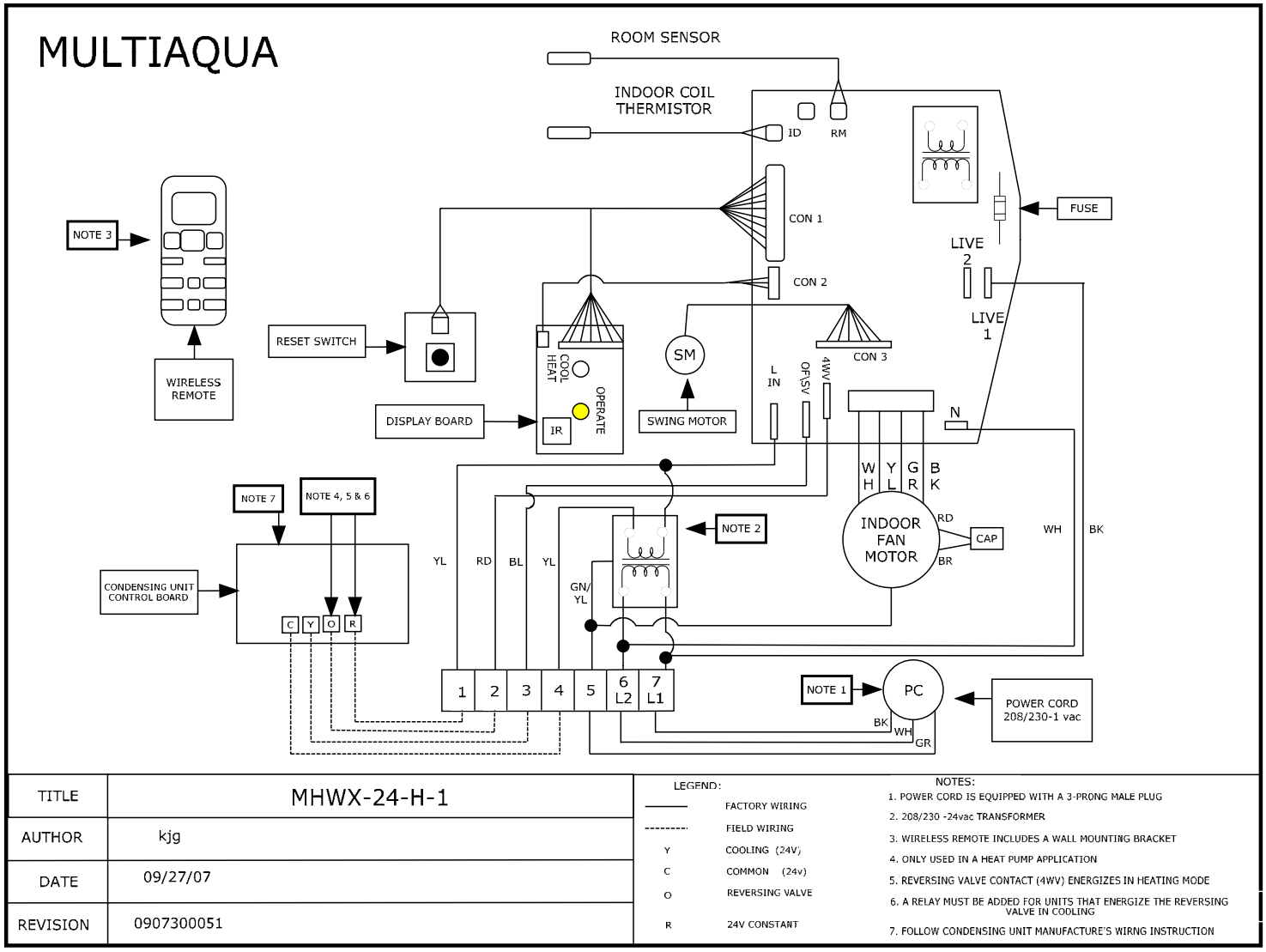
———	FACTORY WIRING
- - - - -	FIELD WIRING
Y	COOLING (24V)
C	COMMON (24v)
O	REVERSING VALVE
R	24V CONSTANT

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET
4. ONLY USED IN A HEAT PUMP APPLICATION
5. REVERSING VALVE CONTACT (4WV) ENERGIZES IN HEATING MODE
6. A RELAY MUST BE ADDED FOR UNITS THAT ENERGIZE THE REVERSING VALVE IN CODLING
7. FOLLOW CONDENSING UNIT MANUFACTURE'S WIRNG INSTRUCTION

MHWX-24-H-1 Wiring Diagram

208/230-1-50/60



TITLE	MHWX-24-H-1
AUTHOR	kjg
DATE	09/27/07
REVISION	0907300051

LEGEND:

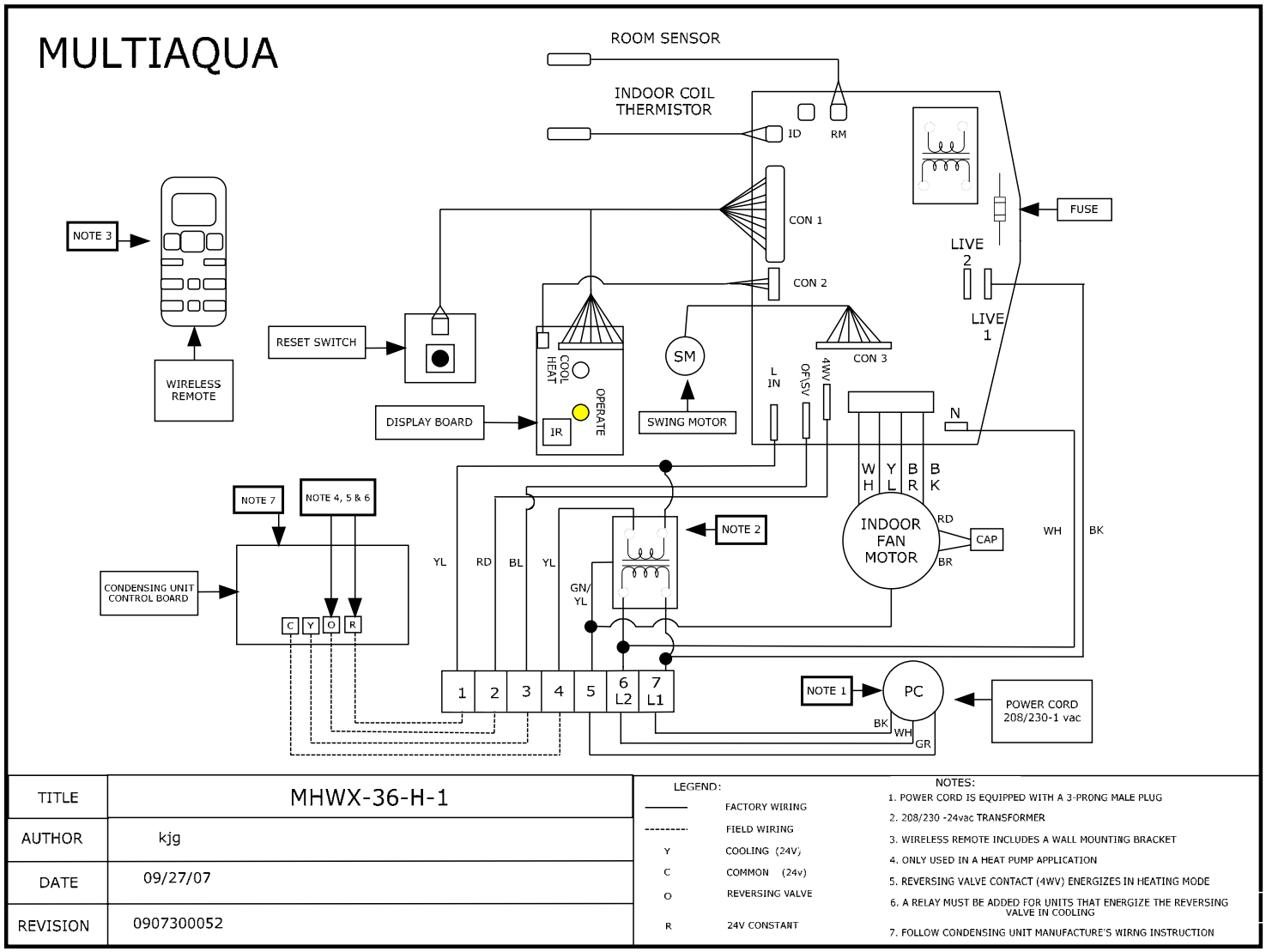
———	FACTORY WIRING
- - - - -	FIELD WIRING
Y	COOLING (24V)
C	COMMON (24v)
O	REVERSING VALVE
R	24V CONSTANT

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET
4. ONLY USED IN A HEAT PUMP APPLICATION
5. REVERSING VALVE CONTACT (4WV) ENERGIZES IN HEATING MODE
6. A RELAY MUST BE ADDED FOR UNITS THAT ENERGIZE THE REVERSING VALVE IN CODLING
7. FOLLOW CONDENSING UNIT MANUFACTURE'S WIRNG INSTRUCTION

MHWX-36-H-1 Wiring Diagram

208/230-1-50/60



TITLE	MHWX-36-H-1
AUTHOR	kjg
DATE	09/27/07
REVISION	0907300052

LEGEND:

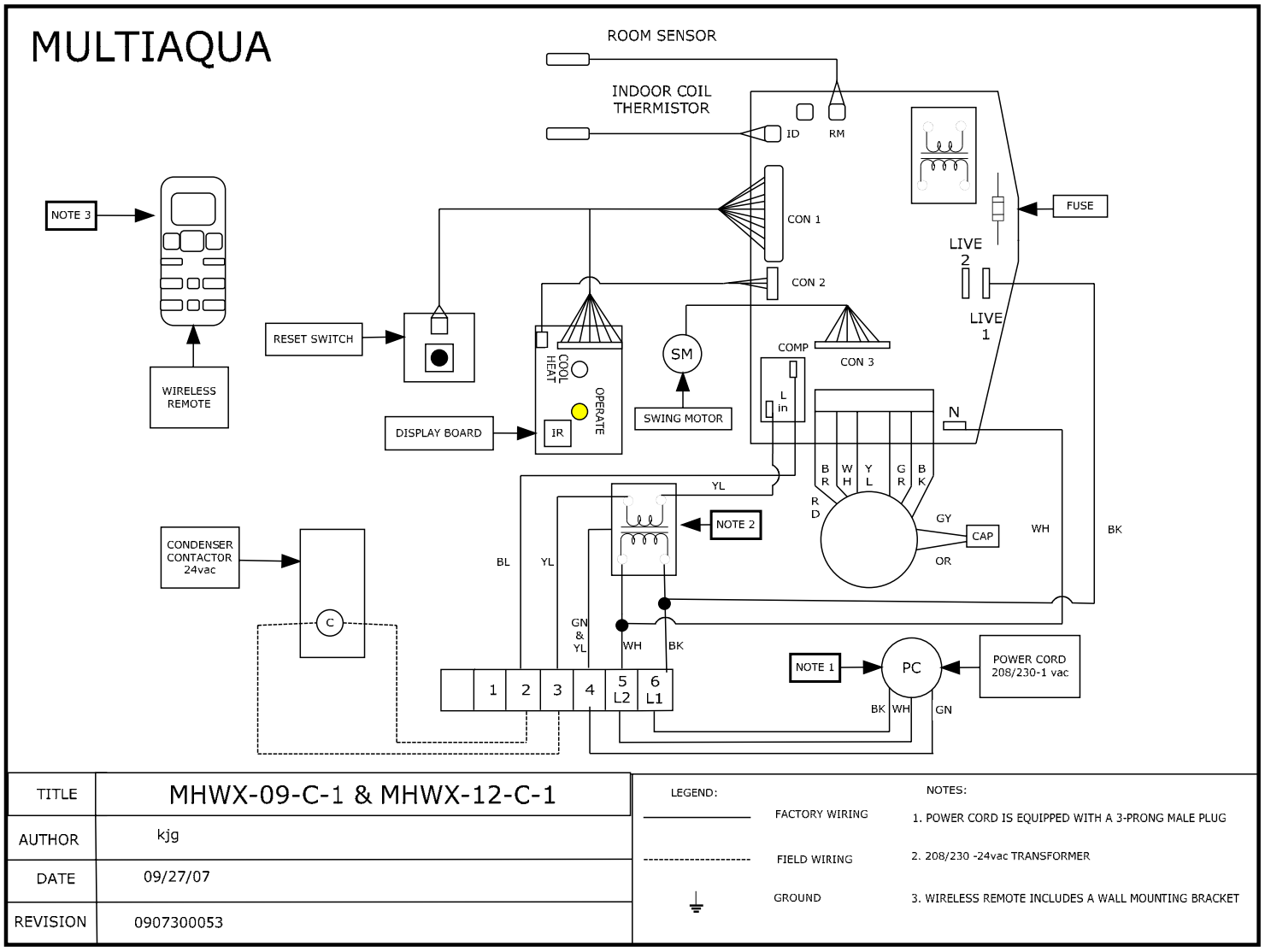
———	FACTORY WIRING
- - - - -	FIELD WIRING
Y	COOLING (24V)
C	COMMON (24v)
O	REVERSING VALVE
R	24V CONSTANT

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET
4. ONLY USED IN A HEAT PUMP APPLICATION
5. REVERSING VALVE CONTACT (4WV) ENERGIZES IN HEATING MODE
6. A RELAY MUST BE ADDED FOR UNITS THAT ENERGIZE THE REVERSING VALVE IN CODLING
7. FOLLOW CONDENSING UNIT MANUFACTURE'S WIRNG INSTRUCTION

MHWX-09-C-1 & MHWX-12-C-1 Wiring Diagram

208/230/-1-50/60



TITLE	MHWX-09-C-1 & MHWX-12-C-1
AUTHOR	kjg
DATE	09/27/07
REVISION	0907300053

LEGEND:

FACTORY WIRING

FIELD WIRING

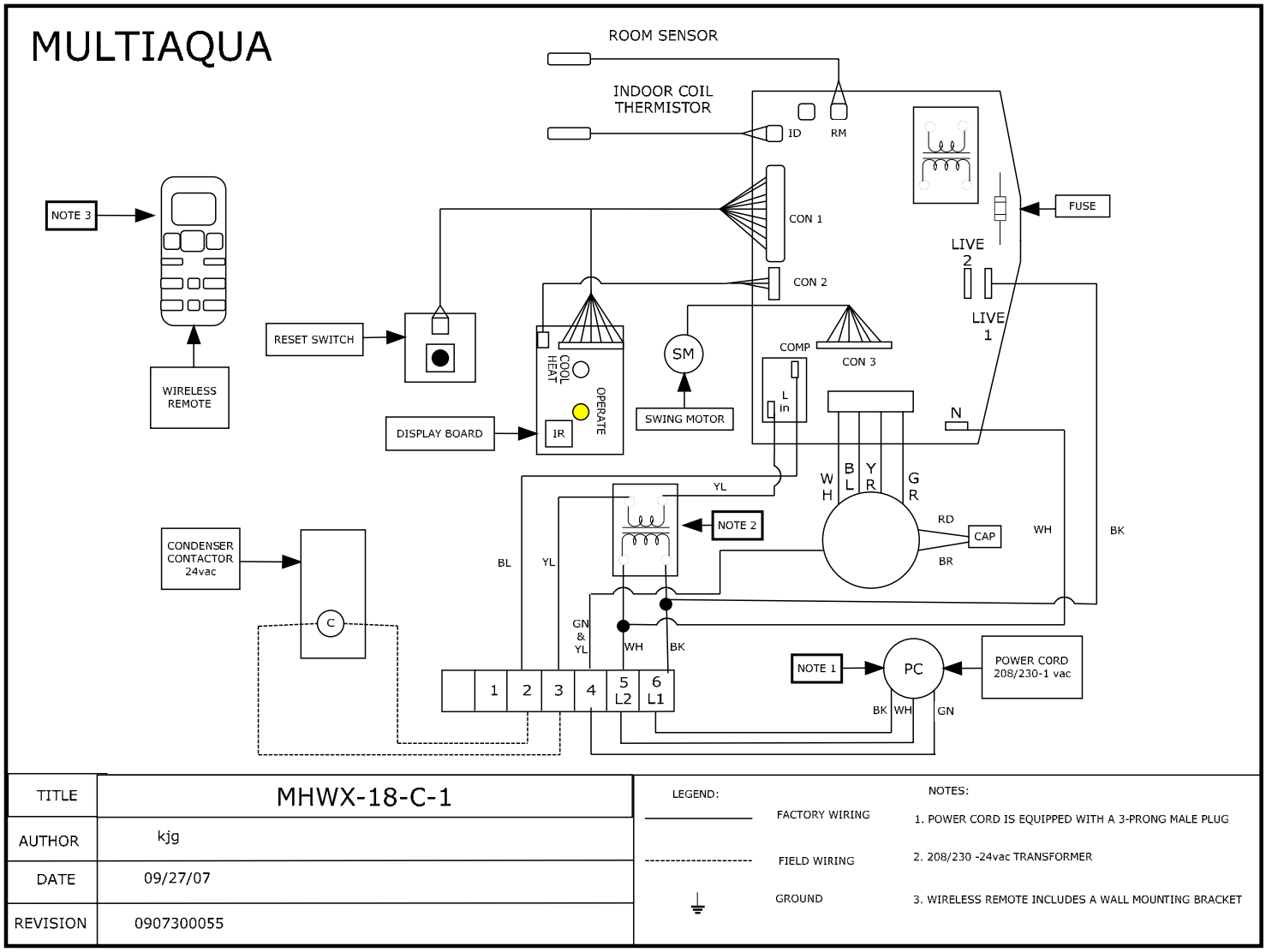
GROUND

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET

MHWX-18-C-1 Wiring Diagram

208/230/-01-50/60



TITLE	MHWX-18-C-1
AUTHOR	kjg
DATE	09/27/07
REVISION	0907300055

LEGEND:

FACTORY WIRING

FIELD WIRING

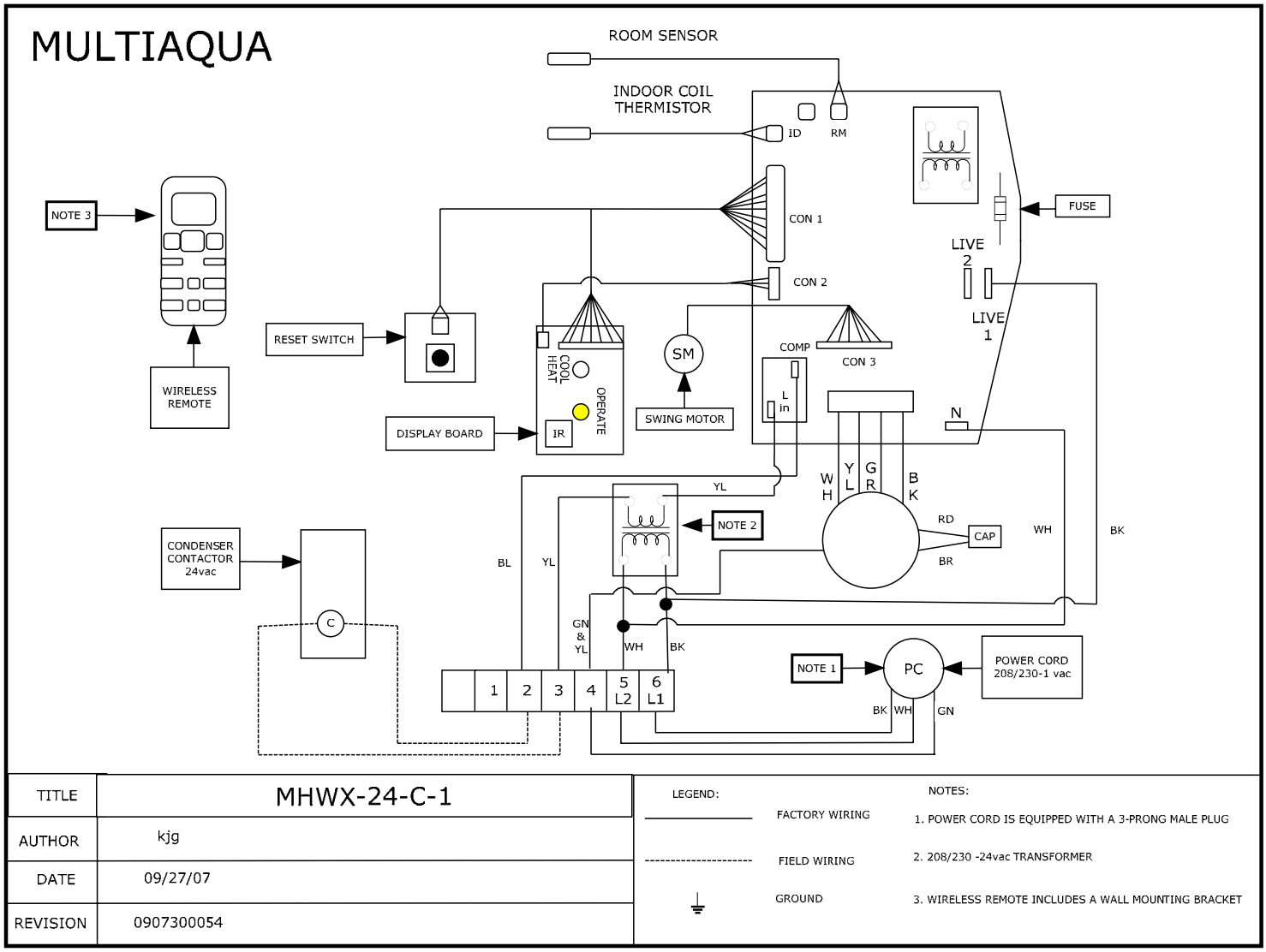
GROUND

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET

MHWX-24-C-1 Wiring Diagram

208/230/-1-50/60



TITLE	MHWX-24-C-1
AUTHOR	kjg
DATE	09/27/07
REVISION	0907300054

LEGEND:

FACTORY WIRING

FIELD WIRING

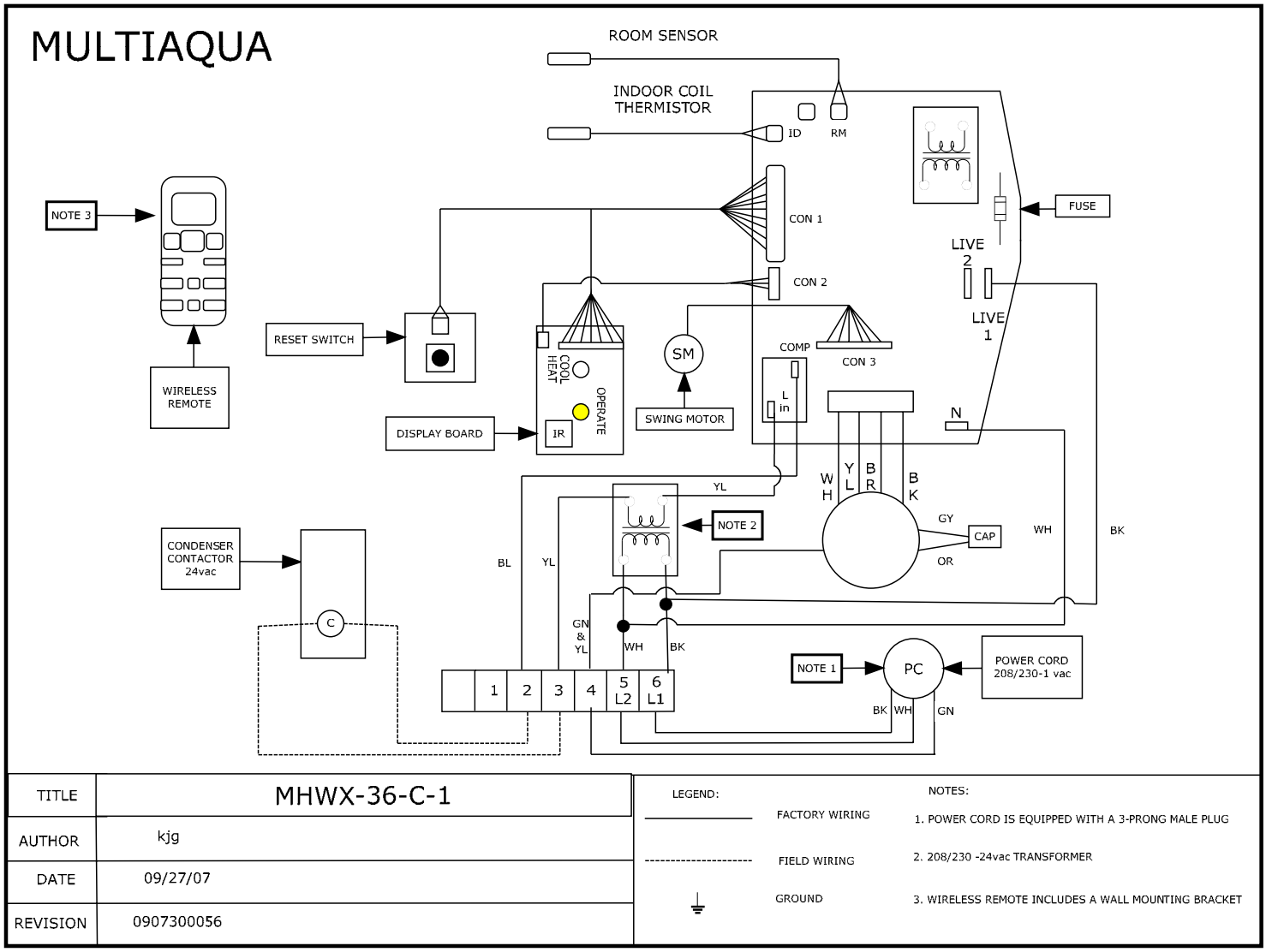
GROUND

NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET

MHWX-36-C-1 Wiring Diagram

208/230-1-50/60



TITLE	MHWX-36-C-1
AUTHOR	kjg
DATE	09/27/07
REVISION	0907300056

LEGEND:

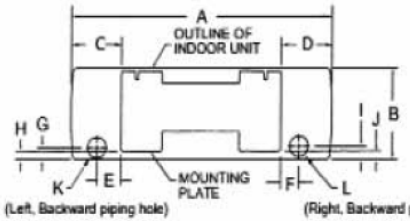
FACTORY WIRING

FIELD WIRING

GROUND

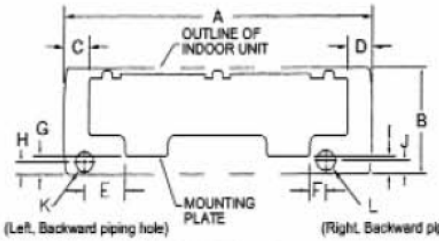
NOTES:

1. POWER CORD IS EQUIPPED WITH A 3-PRONG MALE PLUG
2. 208/230 -24vac TRANSFORMER
3. WIRELESS REMOTE INCLUDES A WALL MOUNTING BRACKET



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
MHWW-09-H1	34.6	11.7	7.5	7.5	3.5	2.7	1.6	0.8	1.8	0.8	ϕ 2.76	ϕ 2.76
MHWW-12-H1	39.0	12.0	7.5	7.5	3.6	2.7	1.5	1.1	1.7	1.0	ϕ 2.76	ϕ 2.76

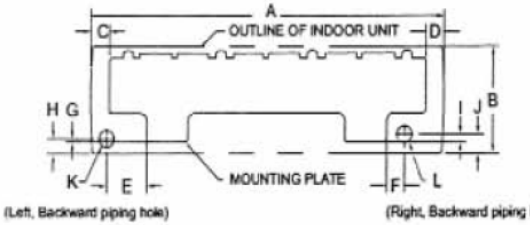
Dimensions are in inches.



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
MHWW-18-H1	46.0	14.2	3.8	3.8	6.1	2.4	2.4	1.7	2.4	1.8	ϕ 2.76	ϕ 2.76
MHWW-24-H1												

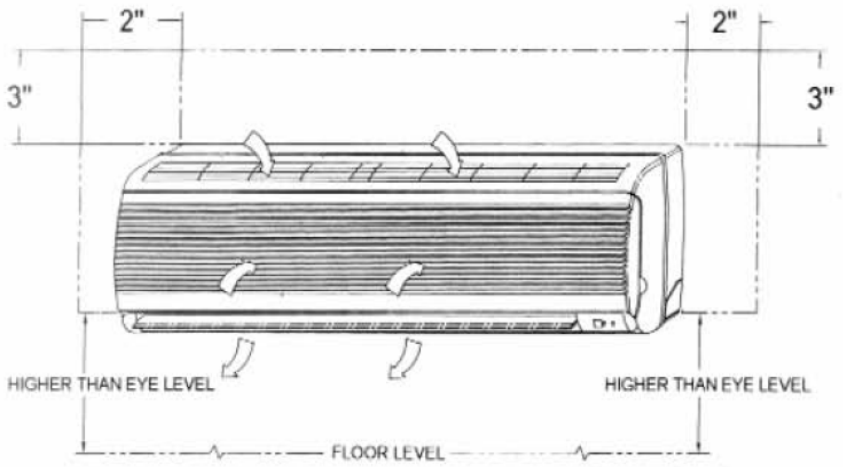
Dimensions are in inches.

MHWX Certified Drawing
Drawing # 0907400081



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
MHWW-36-H1	57.1	14.4	4.0	4.0	6.1	2.8	1.5	1.7	1.5	1.8	ϕ 2.76	ϕ 2.76

Dimensions are in inches.



Dimensions are in inches.